STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10 533,103

Source: 11/608

Date Processed by STIC: 8/21/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT
MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
        http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
   U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: _10/533,103_

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 ____ Wrapped Nucleics
Wrapped Aminos

The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 ____ Invalid Line Length

The rules require that a line **not exceed** 72 characters in length. This includes white spaces.

3 ____ Misaligned Amino
Numbering

The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.

4 ____ Non-ASCII

The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.**

5 ____ Variable Length

Sequence(s) ____ contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 ____ PatentIn 2.0
"bug"

A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**

7 ____ Skipped Sequences
(OLD RULES)

Sequence(s) ____ missing. If intentional, please insert the following lines for **each** skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i)   SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.

8 ____ Skipped Sequences
(NEW RULES)

Sequence(s) ____ missing. If **intentional**, please insert the following lines for **each** skipped sequence.
<210> sequence id number
<400> sequence id number
000

9 ____ Use of n's or Xaa's
(NEW RULES)

Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10 ____ Invalid <213>
Response

Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence

11 ____ Use of <220>

Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32)   (Sec. 1.823 of Sequence Rules)

12 ____ PatentIn 2.0
"bug"

Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 ____ Misuse of n/Xaa

"n" can **only** represent a single <u>nucleotide</u>; "Xaa" can **only** represent a single <u>amino acid</u>

IFWO

RAW SEQUENCE LISTING   DATE: 08/21/2006
PATENT APPLICATION: US/10/533,103   TIME: 10:18:36

            Input Set : F:\3514 115 ST25.txt
            Output Set: N:\CRF4\08212006\J533103.raw

    3 <110> APPLICANT: National Institutes of Health
    4   Bocharov, Alexander
    5   Baranova, Irina
    6   Csako, Gyorgy
    7   Eggerton, Thomas
    8   Patterson, Amy
    9   Remaley, Alan
   10   Vishnyakova, Tatyana
   12 <120> TITLE OF INVENTION: Scavenger Receptor B1 Targeting for the Treatment of
Infection,
   13   Sepsis and Inflammation
   15 <130> FILE REFERENCE: 03514.115-PCT
C--> 17 <140> CURRENT APPLICATION NUMBER: US/10/533,103
C--> 17 <141> CURRENT FILING DATE: 2005-04-28
   17 <150> PRIOR APPLICATION NUMBER: 60/422,105
   18 <151> PRIOR FILING DATE: 2002-10-30
   20 <160> NUMBER OF SEQ ID NOS: 14
   22 <170> SOFTWARE: PatentIn version 3.2
   24 <210> SEQ ID NO: 1
   25 <211> LENGTH: 21
   26 <212> TYPE: DNA
   27 <213> ORGANISM: Homo sapiens
   29 <400> SEQUENCE: 1
   30 gtcttcacca ccatggagaa g   21
   33 <210> SEQ ID NO: 2
   34 <211> LENGTH: 25
   35 <212> TYPE: DNA
   36 <213> ORGANISM: Homo sapiens
   38 <400> SEQUENCE: 2
   39 gcttcaccac cttcttgatg tcatc   25
   42 <210> SEQ ID NO: 3
   43 <211> LENGTH: 21
   44 <212> TYPE: DNA
   45 <213> ORGANISM: Homo sapiens
   47 <400> SEQUENCE: 3
   48 ccacccaacg aaggcttctg c   21
   51 <210> SEQ ID NO: 4
   52 <211> LENGTH: 19
   53 <212> TYPE: DNA
   54 <213> ORGANISM: Homo sapiens
   56 <400> SEQUENCE: 4
   57 ctgaatggcc tccttatcc   19
   60 <210> SEQ ID NO: 5
   61 <211> LENGTH: 20

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/533,103

DATE: 08/21/2006
TIME: 10:18:36

Input Set : **F:\3514 115 ST25.txt**
Output Set: **N:\CRF4\08212006\J533103.raw**

```
62 <212> TYPE: DNA
63 <213> ORGANISM: Homo sapiens
65 <400> SEQUENCE: 5
66 caactacaaa gccctctttg                                           20
69 <210> SEQ ID NO: 6
70 <211> LENGTH: 20
71 <212> TYPE: DNA
72 <213> ORGANISM: Homo sapiens
74 <400> SEQUENCE: 6
75 cttggctgtt ctccatgaag                                           20
78 <210> SEQ ID NO: 7
79 <211> LENGTH: 18
80 <212> TYPE: DNA
81 <213> ORGANISM: Homo sapiens
83 <400> SEQUENCE: 7
84 ctgaaagctc tccacctc                                             18
87 <210> SEQ ID NO: 8
88 <211> LENGTH: 18
89 <212> TYPE: DNA
90 <213> ORGANISM: Homo sapiens
92 <400> SEQUENCE: 8
93 gtgctgatgt accagttg                                             18
96 <210> SEQ ID NO: 9
97 <211> LENGTH: 18
98 <212> TYPE: PRT
99 <213> ORGANISM: Synthetic
101 <400> SEQUENCE: 9
103 Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu
104 1               5                   10                  15
107 Ala Phe
111 <210> SEQ ID NO: 10
112 <211> LENGTH: 37
113 <212> TYPE: PRT
114 <213> ORGANISM: Synthetic
116 <400> SEQUENCE: 10
118 Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu
119 1               5                   10                  15
122 Ala Phe Pro Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys
123             20                  25                  30
126 Leu Lys Glu Ala Phe
127           35
130 <210> SEQ ID NO: 11
131 <211> LENGTH: 37
132 <212> TYPE: PRT
133 <213> ORGANISM: Synthetic
136 <220> FEATURE:
137 <221> NAME/KEY: MISC_FEATURE
138 <222> LOCATION: (1)..(37)
139 <223> OTHER INFORMATION: All residues D-Amino Acid
```

(handwritten annotations:)
Per sequence rules, <213> response has to be either Artificial unknown or genus species.

Invalid Response *(circling line 98–99)*

Invalid Response *(circling line 113–114)*

Same error *(circling line 132–133)*

See item #10 on error summary sheet.

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/533,103

DATE: 08/21/2006
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Input Set : F:\3514 115 ST25.txt
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```
141 <400> SEQUENCE: 11
143 Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu
144 1               5                   10                  15
147 Ala Phe Pro Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys
148             20                  25                  30
151 Leu Lys Glu Ala Phe
152         35
155 <210> SEQ ID NO: 12
156 <211> LENGTH: 37
157 <212> TYPE: PRT
158 <213> ORGANISM: Synthetic
161 <220> FEATURE:
162 <221> NAME/KEY: MISC_FEATURE
163 <222> LOCATION: (1)..(37)
164 <223> OTHER INFORMATION: All Ala residues are D-Amino Acids
166 <400> SEQUENCE: 12
168 Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu
169 1               5                   10                  15
172 Ala Phe Pro Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys
173             20                  25                  30
176 Leu Lys Glu Ala Phe
177         35
180 <210> SEQ ID NO: 13
181 <211> LENGTH: 37
182 <212> TYPE: PRT
183 <213> ORGANISM: Synthetic
186 <220> FEATURE:
187 <221> NAME/KEY: MISC_FEATURE
188 <222> LOCATION: (1)..(37)
189 <223> OTHER INFORMATION: All Tyr and Val are D-Amino Acid Residues
191 <400> SEQUENCE: 13
193 Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu
194 1               5                   10                  15
197 Ala Phe Pro Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys
198             20                  25                  30
201 Leu Lys Glu Ala Phe
202         35
205 <210> SEQ ID NO: 14
206 <211> LENGTH: 37
207 <212> TYPE: PRT
208 <213> ORGANISM: Synthetic
211 <220> FEATURE:
212 <221> NAME/KEY: MISC_FEATURE
213 <222> LOCATION: (1)..(37)
214 <223> OTHER INFORMATION: All Asp, Lys and Ala are D-Amino Acid Residues
216 <400> SEQUENCE: 14
218 Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu
219 1               5                   10                  15
222 Ala Phe Pro Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys
```

same errors

See item #10 on error Summary sheet,

RAW SEQUENCE LISTING   DATE: 08/21/2006
PATENT APPLICATION: **US/10/533,103**   TIME: 10:18:36

Input Set : **F:\3514 115 ST25.txt**
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223   20   25   30
226 Leu Lys Glu Ala Phe
227   35

VERIFICATION SUMMARY DATE: 08/21/2006
PATENT APPLICATION: **US/10/533,103** TIME: 10:18:37

Input Set : **F:\3514 115 ST25.txt**
Output Set: **N:\CRF4\08212006\J533103.raw**

L:17 M:270 C: Current Application Number differs, Replaced Current Application No
L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date